

A Database of upper air Temperatures from GPS Radio-Occultations.

M . de la Torre Ju\`arez

George A. Hajj

Byron I Iijima

Chi O Ao

Anthony J. Mannucci

Jet Propulsion Laboratory, M/S 238-600 4800 Oak Grove Dr. ,
Pasadena, CA 91109, United States

The launches of the CHAMP, SAC-C, and GRACE spacecraft have started a campaign of dense remote sensing of atmospheric refractivity profiles using GPS radio-occultations of the Earth's atmosphere. These data provide high resolution profiles of geopotential heights, pressure, and temperature as functions of geometric heights up to 30 km above the surface. The quality, coverage, and features of the data will be discussed. Their use and availability is also described.